



WILLIAM T. PECORA AWARD

STANLEY A. MORAIN

**FOR EXCEPTIONAL AND SUSTAINED NATIONAL AND INTERNATIONAL LEADERSHIP IN
BIOGEOGRAPHICAL REMOTE SENSING RESEARCH AND EDUCATION**

Dr. Stanley A. Morain, Professor of Geography, and Director, Earth Data Analysis Center, University of New Mexico, has made exceptional contributions to the field of satellite remote sensing in the biogeographical sciences. In a distinguished career of over 43 years, he has trained his students at the University of New Mexico and collaborated with professionals in many developing countries in their creation of applications of remote sensing for societal benefit areas such as agriculture, transportation, and public health.

Professor Morain's initial work centered on applications of radar technology for vegetation analysis and agriculture. With the advent of Landsat in the early 1970's, Professor Morain was among the first to apply satellite remote sensing techniques to crop and vegetation analyses. He has consulted on more than 30 training programs and applications projects in Asia, Africa, and Central America.

More recently, Professor Morain's expertise and knowledge in remote sensing have been directed toward sustainable transportation, public health, and archeological studies of early agricultural systems. Understanding the Earth system in the context of public health is an emerging science in which Professor Morain has been a pioneer. Global dust and atmospheric fine particulates contribute to respiratory health problems in populations around the world. His work on a dust-forecast model is contributing to plans by the World Meteorological Organization for establishing an International Sand and Dust Warning System.

A significant part of Professor Morain's career in remote sensing has been as a professor in the Department of Geography, University of New Mexico. As an educator, he has influenced the careers of more than 50 students who have been employed in geospatial technologies. He has authored, edited, and contributed to numerous publications on applications of remote sensing in agriculture, natural resources, and mapping of vegetation. Professor Morain has served the global remote sensing community as the president of the American Society for Photogrammetry and Remote Sensing and through his leadership in the International Society for Photogrammetry and Remote Sensing. He is also active in the International Society for Disease Surveillance, the International Council on Science, and the inter-governmental Group on Earth Observations.

In recognition of these accomplishments, the Department of the Interior and the National Aeronautics and Space Administration take great pleasure in presenting the 2007 William T. Pecora Award to Dr. Stanley A. Morain.

Administrator
National Aeronautics and Space Administration

Secretary
Department of the Interior